



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



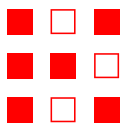
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952-S Soldering Flux

Low-Solids, No-Clean Liquid Flux for Photovoltaic Assembly

Product Description

Kester 952-S is a zero-halogen, non-rosin organic flux designed specifically for use in tabber and stringer equipment of Photovoltaic Assembly (PV) module industry by soldering tabs to cell contacts. 952-S could be applied directly to interconnecting ribbon by hand soldering or auto-equipment with tabber and stringer soldering system, by dipping or spraying. The extremely low solids content (around 2%) and nature of the activator system results in practically no residue left on the cell after soldering. Cell are dry and cosmetically clean as they exit the tabber and stringer machine. 952-S has a wider operating window varying with temperature range, and can be used in SnPb, SnAgPb and Pb-free alloys.

Performance Characteristics:

- Zero-Halogen
- Produces high reliable ribbon that interconnects solar cells
- Wetting and Drying quickly allowing fast throughput
- Eliminates cleaning process
- Leaves less uniform residue to get higher power transfer efficiencies
- Classified as ORL0 per J-STD-004 & conforms to Bellcore GR-78 requirement
- Compatible with the most popular EVA
- Can be applied by spraying and dipping
- Low-Solids

RoHS Compliance

This product meets the requirements of the Restriction of Hazardous Substances (RoHS) Directive, 2011/65/EU for the stated banned substances.

Physical Properties

Specific Gravity: 0.803
Anton Paar DMA 35 @ 25°C

Acid Number (typical): 15.0 mg
KOH/g flux
Tested by potentiometric titration

Percent Solids (theoretical): 2%

Reliability Properties

Copper Mirror Corrosion: Pass
Tested to J-STD-004, IPC-TM-650, Method 2.3.32

Chloride and Bromides: None
Detected
Tested to J-STD-004, IPC-TM-650, Method 2.3.35

Fluorides by Spot Test: Pass
Tested to J-STD-004, IPC-TM-650, Method 2.3.35.1

Corrosion Test: Pass
Tested to J-STD-004B, IPC-TM-650, Method 2.6.15

Silver Chromate: Pass
Tested to J-STD-004, IPC-TM-650, Method 2.3.33

Flux Application

Need to ensure flux is sufficiently applied on the cell to prevent dewetting and residues.

Process Considerations

952-S is engineered for the PV module industry for both automated tabber and stringer application, and hand soldering. Standard pre-heating and heat temperature can be used without special cooling or pre-baking required. Consult your machine supplier or Kester Technical Support for further information.

Cleaning

952-S flux residues are non-conductive, non-corrosive and do not require removal in most applications. If residue removal is required, contact Kester Technical Support for further cleaning recommendation.

Storage and Shelf Life

952-S is flammable. Store away from sources of ignition. Shelf life is 1 year from the date of manufacture when handled properly and stored between 10-25°C (50-77°F).

Health and Safety

This product, during handling or use, may be hazardous to your health or the environment. Read the Safety Data Sheet (SDS) and warning label before using this product.